

## ABSTRACT

A gas insulation transformer, in the tank of which  
transformer an apparatus including an iron core and a coil is  
5 received and a gas is filled as an insulating and cooling medium,  
is provided, wherein the iron core and coil are possessed with  
the loss characteristics equivalent to that of a high-efficient  
transformer and an inert gas, the global warming coefficient  
of which gas is rated 1 or below, is filled in the tank as an  
10 insulating and cooling medium.